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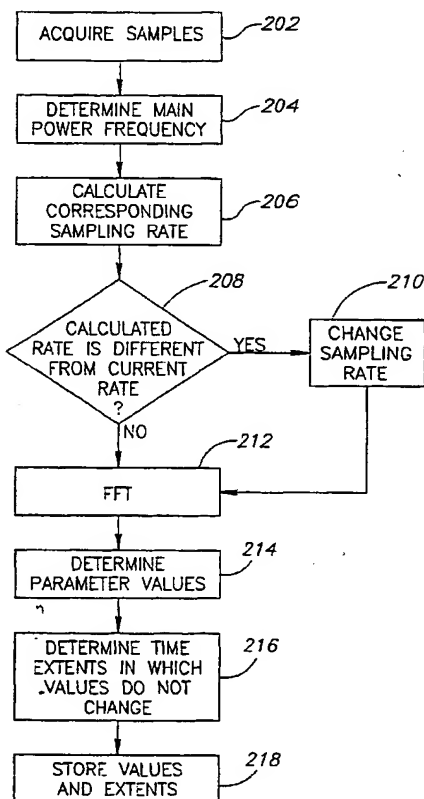
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- (71) Applicant (for all designated States except US): **ELSPEC LTD. [IL/IL]**; 4 Hashoham Street, Zone 23, Caesaria Industrial Park, 38900 Caesaria (IL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **NISENBLAT, Pol [IL/IL]**; 39 Soroka Street, 34759 Haifa (IL). **BROSHI, Amir, Mordehay [IL/IL]**; 11 Kochvan Street, 45224 Hod Hasharon (IL). **EFRATI, Ofir [IL/IL]**; 39 Pardes Meshutaf Street, 43355 Raanana (IL).
- (74) Agents: **FENSTER, Paul et al.**; Fenster & Company Intellectual Property 2002 LTD., P. O. Box 10256, 49002 Petach Tikva (IL).
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(54) Title: **POWER QUALITY MONITORING**



(57) Abstract: A method of compressing values of a waveform of a monitored electrical power signal. The method includes of acquiring data representative of periods of the waveform (202), decomposing the waveform of the power signal into a plurality of components, over a plurality of periods of the waveform (sequence steps 204, 206, 208, 210, 212, 214) compressing the values of at least some of the components over a plurality of periods (216), individually. And storing these values and extents (218).

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